



ATTY. DKT. NO. AMAT/7662/CMP/CMP/RKK

**COMBINED DECLARATION AND POWER OF ATTORNEY**

**As a below named inventor, I hereby declare that:**

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**CARBONATION OF PH CONTROLLED KOH SOLUTION FOR IMPROVED POLISHING OF  
OXIDE FILMS ON SEMICONDUCTOR WAFERS**

**SPECIFICATION IDENTIFICATION**

The specification of which:

- ☐ is attached hereto
- ☒ was filed on April 16, 2004, under Serial No. 10/825,849, executed on even date herewith;  
or
- ☐ Express Mail No. (as Serial No. not yet known)  
and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR 1.98.

### PRIORITY CLAIM (35 U.S.C. 119)

I hereby claim foreign priority benefits under Title 35, United States Code, 119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☐ No such applications have been filed.

☒ Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. 119**

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u>                                  |
|--------------------|-----------------------|-------------------|--|
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:  
Application No:  
Filing date:

**C. U.S. Provisional Application filed within 12 months prior to this application**

|                   |                    |
|-------------------|--------------------|
| <u>Serial No.</u> | <u>Filing Date</u> |
| 60/463,358        | APRIL 16, 2003     |

### PRIORITY CLAIM (35 U.S.C. 120)

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| <u>Serial No.</u> | <u>Filing Date</u> | <u>Status</u> | <u>Patented</u> | <u>Pending</u> | <u>Abandoned</u> |
|-------------------|--------------------|---------------|-----------------|----------------|------------------|
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## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                       |                         |
|-----------------------|-------------------------|
| Donald Verplancken    | Registration No. 33,217 |
| Peter J. Sgarbossa    | Registration No. 25,610 |
| Raymond Kam-On Kwong  | Registration No. 37,165 |
| Joseph Bach           | Registration No. 37,771 |
| James C. Wilson       | Registration No. 35,412 |
| Robert W. Mulcahy     | Registration No. 25,436 |
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| Raymond R. Moser, Jr. | Registration No. 34,682 |
| Keith M. Tackett      | Registration No. 32,008 |
| Eddy Song             | Registration No. 43,144 |

**Send correspondence to:**

Patent Counsel  
APPLIED MATERIALS, INC.  
P.O. Box 450-A  
Santa Clara, CA 95052

**Direct telephone calls to:**

B. Todd Patterson  
MOSER, PATTERSON & SHERIDAN, L.L.P.  
(713) 623-4844

## DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of **first** inventor: **JOSEPH F. SALFELDER**

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: \_\_\_\_\_

60 Rock Ledge Drive  
Pleasant Valley, New York 12569

Post Office Address: \_\_\_\_\_

U.S.A.

Country of Citizenship: UNITED STATES

Full name of **second** inventor: **WAYNE SWART**

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: \_\_\_\_\_

211 Pleasant Vale Road  
Tivoli, New York 12583

Post Office Address: \_\_\_\_\_

U.S.A.

Country of Citizenship: UNITED STATES

Full name of **third** inventor: **GOPALAKRISHNA B. PRABHU**

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 3500 Quarry Park Drive  
San Jose, California 95136  
Post Office Address: U.S.A. Country of Citizenship: INDIA

Full name of **fourth** inventor: **SRINIVAS R. MIRMIRA**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 5832 Alcazar Drive  
San Jose, California 95123  
Post Office Address: U.S.A. Country of Citizenship: INDIA

Full name of **fifth** inventor: **LAERTIS ECONOMIKOS**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_

Full name of **sixth** inventor: **FEN-FEN JAMIN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_

Full name of **seventh** inventor: **DONALD J. DELEHANTY**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_

Full name of **eighth** inventor: **DANIEL HEENAN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_

Full name of **ninth** inventor: **JOE DANZA**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_  
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Post Office Address: \_\_\_\_\_  
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Inventor's signature:  Date: 8/31/04

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Tivoli, New York 12583

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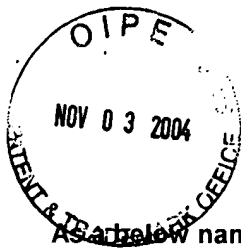
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Post Office Address: U.S.A. Country of Citizenship: UNITED STATES

Full name of **second** inventor: **WAYNE SWART**

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Residence: 211 Pleasant Vale Road  
Tivoli, New York 12583

Post Office Address: U.S.A. Country of Citizenship: UNITED STATES

Full name of **third** inventor: **GOPALAKRISHNA B. PRABHU**

Inventor's signature: G. Gopalakrishna Prabhu Date: 08.26.2004

Residence: 3500 Quarry Park Drive  
San Jose, California 95136  
Post Office Address: U.S.A. Country of Citizenship: INDIA

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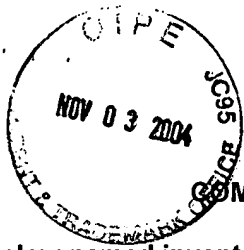
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Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_

Full name of **ninth** inventor: **JOE DANZA**

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- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR 1.98.

**PRIORITY CLAIM (35 U.S.C. 119)**

I hereby claim foreign priority benefits under Title 35, United States Code, 119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- ☐ No such applications have been filed.
- ☒ Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. 119**

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u>                                  |
|--------------------|-----------------------|-------------------|--|
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:  
Application No:  
Filing date:

**C. U.S. Provisional Application filed within 12 months prior to this application**

|                   |                    |
|-------------------|--------------------|
| <u>Serial No.</u> | <u>Filing Date</u> |
| 60/463,358        | APRIL 16, 2003     |

**PRIORITY CLAIM (35 U.S.C. 120)**

I hereby claim the benefit under Title 35, United States Code, 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

- ☒ No such applications have been filed
- ☐ Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Status</u> | <u>Patented</u> | <u>Pending</u> | <u>Abandoned</u> |
|-------------------|--------------------|---------------|-----------------|----------------|------------------|
|-------------------|--------------------|---------------|-----------------|----------------|------------------|

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                       |                         |
|-----------------------|-------------------------|
| Donald Verplancken    | Registration No. 33,217 |
| Peter J. Sgarbossa    | Registration No. 25,610 |
| Raymond Kam-On Kwong  | Registration No. 37,165 |
| Joseph Bach           | Registration No. 37,771 |
| James C. Wilson       | Registration No. 35,412 |
| Robert W. Mulcahy     | Registration No. 25,436 |
| B. Todd Patterson     | Registration No. 37,906 |
| Raymond R. Moser, Jr. | Registration No. 34,682 |
| Keith M. Tackett      | Registration No. 32,008 |
| Eddy Song             | Registration No. 43,144 |

### Send correspondence to:

Patent Counsel  
APPLIED MATERIALS, INC.  
P.O. Box 450-A  
Santa Clara, CA 95052

### Direct telephone calls to:

B. Todd Patterson  
MOSER, PATTERSON & SHERIDAN, L.L.P.  
(713) 623-4844

## DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of **first** inventor: **JOSEPH F. SALFELDER**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 60 Rock Ledge Drive  
Pleasant Valley, New York 12569

Post Office Address: U.S.A. Country of Citizenship: UNITED STATES

Full name of **second** inventor: **WAYNE SWART**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 211 Pleasant Vale Road  
Tivoli, New York 12583

Post Office Address: U.S.A. Country of Citizenship: UNITED STATES

Full name of **third** inventor: **GOPALAKRISHNA B. PRABHU**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 3500 Quarry Park Drive  
San Jose, California 95136  
Post Office Address: U.S.A. Country of Citizenship: INDIA

Full name of **fourth** inventor: **SRINIVAS R. MIRMIRA**

Inventor's signature: *Srinivas R. Mirmira* Date: September 10, 2004  
Residence: 5832 Alcazar Drive  
San Jose, California 95123  
Post Office Address: U.S.A. Country of Citizenship: INDIA

Full name of **fifth** inventor: **LAERTIS ECONOMIKOS**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_

Full name of **sixth** inventor: **FEN-FEN JAMIN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_

Full name of **seventh** inventor: **DONALD J. DELEHANTY**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_

Full name of **eighth** inventor: **DANIEL HEENAN**

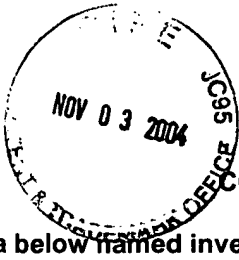
Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_

Full name of **ninth** inventor: **JOE DANZA**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Post Office Address: U.S.A. Country of Citizenship: \_\_\_\_\_

(Declaration ends with this page)





ATTY. DKT. NO. AMAT/7662/CMP/CMP/RKK

**COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**CARBONATION OF PH CONTROLLED KOH SOLUTION FOR IMPROVED POLISHING OF  
OXIDE FILMS ON SEMICONDUCTOR WAFERS**

**SPECIFICATION IDENTIFICATION**

The specification of which:

- ☐ is attached hereto
- ☒ was filed on April 16, 2004, under Serial No. 10/825,849, executed on even date herewith;  
or
- ☐ Express Mail No. (as Serial No. not yet known)  
and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, 1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR 1.98.

**PRIORITY CLAIM (35 U.S.C. 119)**

I hereby claim foreign priority benefits under Title 35, United States Code, 119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

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- ☒ Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. ( 6 m os. f or de sign) p r i o r t o t h i s application, and any priority claims under 35 U.S.C. 119**

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u>                                  |
|--------------------|-----------------------|-------------------|--|
|                    |                       |                   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
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Application No:  
Filing date:

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| Raymond Kam-On Kwong  | Registration No. 37,165 |
| Joseph Bach           | Registration No. 37,771 |
| James C. Wilson       | Registration No. 35,412 |
| Robert W. Mulcahy     | Registration No. 25,436 |
| B. Todd Patterson     | Registration No. 37,906 |
| Raymond R. Moser, Jr. | Registration No. 34,682 |
| Keith M. Tackett      | Registration No. 32,008 |
| Eddy Song             | Registration No. 43,144 |

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B. Todd Patterson  
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Full name of **first** inventor: **JOSEPH F. SALFELDER**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 60 Rock Ledge Drive  
Pleasant Valley, New York 12569

Post Office Address: U.S.A. Country of Citizenship: UNITED STATES

Full name of **second** inventor: **WAYNE SWART**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 211 Pleasant Vale Road  
Tivoli, New York 12583

Post Office Address: U.S.A. Country of Citizenship: UNITED STATES

Full name of **third** inventor: **GOPALAKRISHNA B. PRABHU**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 3500 Quarry Park Drive  
San Jose, California 95136  
Post Office Address: U.S.A. Country of Citizenship: INDIA

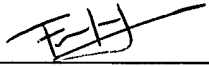
Full name of **fourth** inventor: **SRINIVAS R. MIRMIRA**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 5832 Alcazar Drive  
San Jose, California 95123  
Post Office Address: U.S.A. Country of Citizenship: INDIA

Full name of **fifth** inventor: **LAERTIS ECONOMIKOS**

Inventor's signature: Laertis Ekonomikos Date: 10/7/04  
Residence: 60-88 Lake Oniad Drive  
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Post Office Address: U.S.A. Country of Citizenship: United States

Full name of **sixth** inventor: <sup>FFJ</sup>  
**FEN/FEN JAMIN**

Inventor's signature:  Date: 10/5/2004  
Residence: 17C Scarborough Lane  
Wappingers Falls, NY 12590  
Post Office Address: U.S.A. Country of Citizenship: **United States**

Full name of **seventh** inventor: **DONALD J. DELEHANTY**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 2 Veterans Place  
Wappingers Falls, NY 12590  
Post Office Address: U.S.A. Country of Citizenship: United States

Full name of **eighth** inventor: **DANIEL HEENAN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 137 Forge Court  
North East, Maryland 21901  
Post Office Address: U.S.A. Country of Citizenship: United States

Residence: 3500 Quarry Park Drive  
San Jose, California 95136  
Post Office Address: U.S.A. Country of Citizenship: INDIA

Full name of **fourth** inventor: **SRINIVAS R. MIRMIRA**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 5832 Alcazar Drive  
San Jose, California 95123  
Post Office Address: U.S.A. Country of Citizenship: INDIA

Full name of **fifth** inventor: **LAERTIS ECONOMIKOS**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 58 Lake Oniad Drive  
Wappingers Falls, NY 12590  
Post Office Address: U.S.A. Country of Citizenship: United States

Full name of **sixth** inventor: **FEN-FEN JAMIN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 17C Scarborough Lane  
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Post Office Address: U.S.A. Country of Citizenship: United States

Full name of **seventh** inventor: **DONALD J. DELEHANTY**

Inventor's signature: Donald J. Delehanty Date: 10/4/04  
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Post Office Address: U.S.A. Country of Citizenship: United States

Full name of **eighth** inventor: **DANIEL HEENAN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 137 Forge Court  
North East, Maryland 21901  
Post Office Address: U.S.A. Country of Citizenship: United States

Residence: 3500 Quarry Park Drive  
San Jose, California 95136  
Post Office Address:  
U.S.A. Country of Citizenship: INDIA

Full name of fourth inventor: **SRINIVAS R. MIRMIRA**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 5832 Alcazar Drive  
San Jose, California 95123  
Post Office Address:  
U.S.A. Country of Citizenship: INDIA

Full name of fifth inventor: **LAERTIS ECONOMIKOS**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 58 Lake Oniad Drive  
Wappingers Falls, NY 12590  
Post Office Address:  
U.S.A. Country of Citizenship: United States

Full name of sixth inventor: **FEN-FEN JAMIN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 17C Scarborough Lane  
Wappingers Falls, NY 12590  
Post Office Address:  
U.S.A. Country of Citizenship: United States

Full name of seventh inventor: **DONALD J. DELEHANTY**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 2 Veterans Place  
Wappingers Falls, NY 12590  
Post Office Address:  
U.S.A. Country of Citizenship: United States

Full name of eighth inventor: **DANIEL HEENAN**

Inventor's signature: *Daniel Heenan* Date: 5 OCT 04  
Residence: 137 Forge Court  
North East, Maryland 21901  
Post Office Address:  
U.S.A. Country of Citizenship: United States

Full name of ninth inventor: **JOSEPH DANZA**

Inventor's signature: Joseph M. Danza

Date: 10/1/04

Residence:

58 Patton Road  
Newburgh, NY 12550

Post Office Address:

U.S.A.

Country of Citizenship: United States

**(Declaration ends with this page)**